

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING COMPANY

Lease and Well No. FLOYD # 1

County NESS State KANSAS Date JUNE 16, 1971

Formation Test No. 1 Total Depth 4287 Elev. 2314 K.B.

Interval Tested 4226 To 4287 Anchor Length 61'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.1 Viscosity 36 Water Loss 13.0 c.c. Bottom Hole Temp. 114 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11356

Length of Drill Collar _____ I. D. _____ Length Flexweight 620 I. D. 2.76

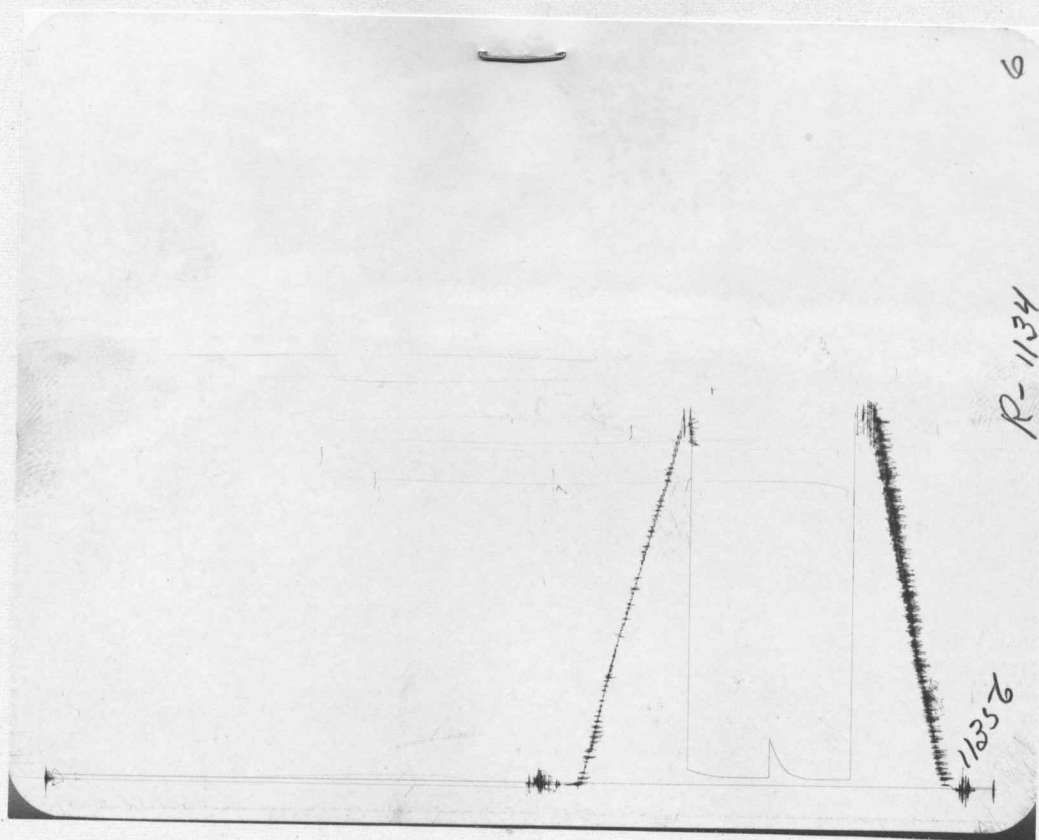
RECOVERY

WEAK BLOW FOR 6 MINUTES.

5 FEET OF MUD.

Lease and Well No. FLOYD # 1 14 18S 21W C NE NE

Formation Test No. 1



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2177</u>	<u>2155</u>
(B) Initial 1st Flow Pressure	<u>33</u>	<u>40</u>
(C) Final 1st Flow Pressure	<u>33</u>	<u>40</u>
(D) Initial Shut-in Pressure	<u>256</u>	<u>275</u>
(E) Initial 2nd Flow Pressure	<u>33</u>	<u>45</u>
(F) Final 2nd Flow Pressure	<u>44</u>	<u>45</u>
(G) Final Shut-in Pressure	<u>100</u>	<u>92</u>
(H) Final Hydrostatic Pressure	<u>2155</u>	<u>2122</u>

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Lease and Well No FLOYD # 1

County NESS State KANSAS Date JUNE 16, 1971

Formation Test No. 2 Total Depth 4327 Elev. 2314 K.B.

Interval Tested 4302 To 4327 Anchor Length 25'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.1 Viscosity 42 Water Loss 11 c.c. Bottom Hole Temp. 115 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11357

Length of Drill Collar _____ I. D. _____ Length Flexweight 620 I. D. 2.76

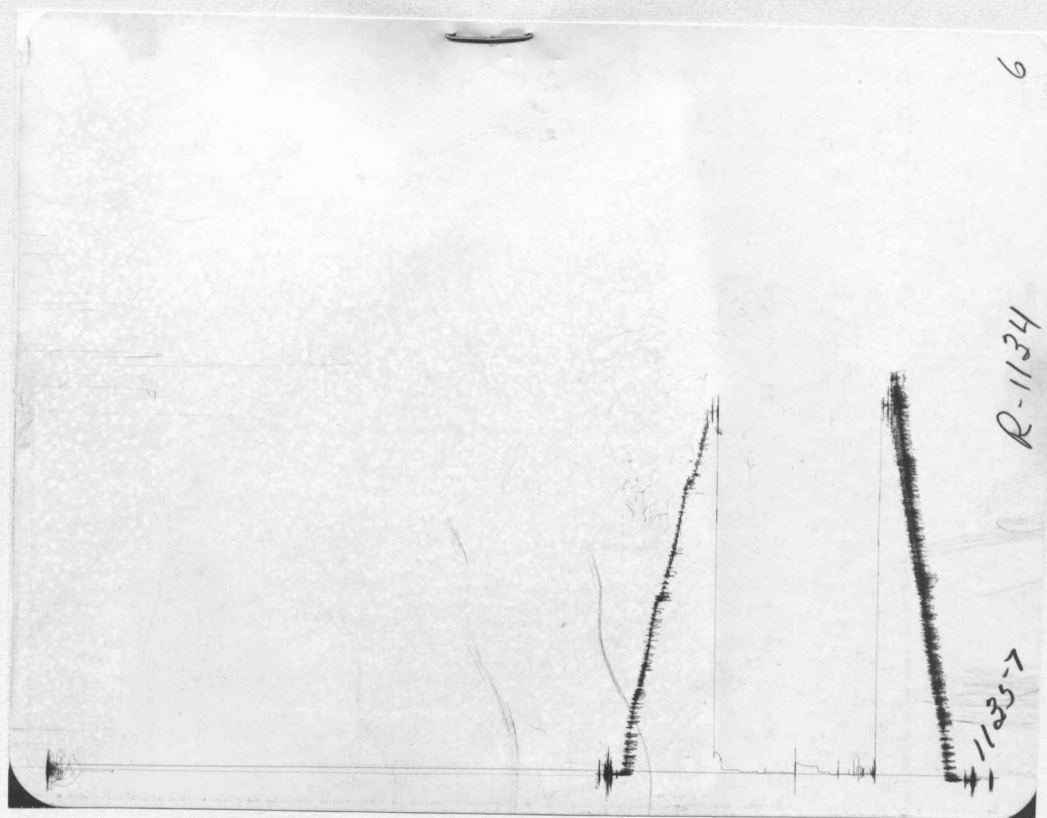
RECOVERY

WEAK BLOW FOR 6 MINUTES.

5 FEET OF MUD.

Lease and Well No. FLOYD # 1 14 18S 24W C NE NE

Formation Test No. 2



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2166</u>	<u>2155</u>
(B) Initial 1st Flow Pressure	<u>11</u>	<u>11</u>
(C) Final 1st Flow Pressure	<u>11</u>	<u>18</u>
(D) Initial Shut-in Pressure	<u>67</u>	<u>78</u>
(E) Initial 2nd Flow Pressure	<u>11</u>	<u>18</u>
(F) Final 2nd Flow Pressure	<u>22</u>	<u>18</u>
(G) Final Shut-in Pressure	<u>111</u>	<u>134</u>
(H) Final Hydrostatic Pressure	<u>2144</u>	<u>2122</u>

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Lease and Well No. FLOYD # 1

County NESS State KANSAS Date JUNE 17, 1971

Formation Test No. 4 Total Depth 4332 Elev. 2314 K.B.

Interval Tested 4301 To 4332 Anchor Length 30 1/2 '

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.1 Viscosity 38 Water Loss 12 c.c. Bottom Hole Temp. 116 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11358

Length of Drill Collar I. D. Length Flexweight 620 I. D. 2.76

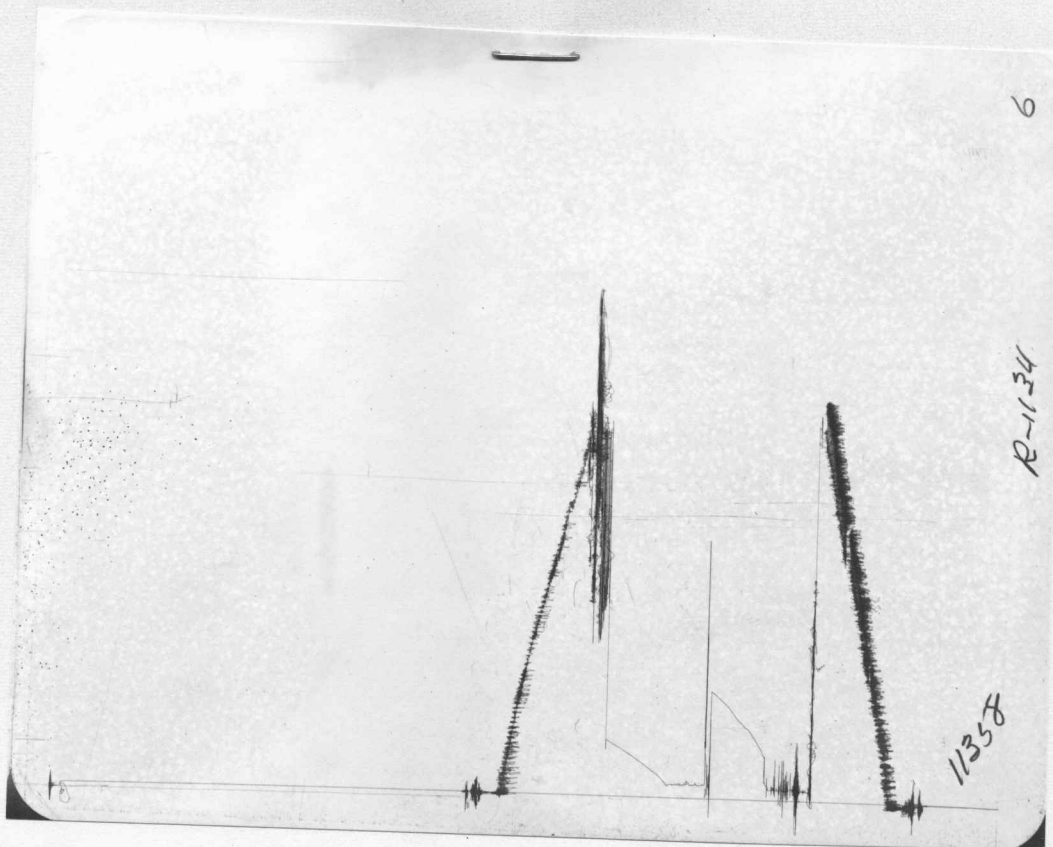
RECOVERY

FAIR BLOW DECREASING TO WEAK BLOW FOR 30 MINUTES. FLUSHED
TOOL ON SECOND OPENING AFTER 3 MINUTES. WEAK BLOW FOR 2 MINUTES
ON SECOND OPENING. NO BLOW AFTER SECOND OPENING.

90 FEET OF MUD.

Lease and Well No. FLOYD # 1 14 18S 24W C NE NE

Formation Test No. 4



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 45 min: 2nd Flow hr. 30 min: Shut-in Final hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2166</u>	<u>2167</u>
(B) Initial 1st Flow Pressure	<u>56</u>	<u>56</u>
(C) Final 1st Flow Pressure	<u>56</u>	<u>64</u>
(D) Initial Shut-in Pressure	<u>623</u>	<u>624</u>
(E) Initial 2nd Flow Pressure	<u>78</u>	<u>74</u>
(F) Final 2nd Flow Pressure	<u>78</u>	<u>76</u>
(G) Final Shut-in Pressure	<u>323</u>	<u>331</u>
(H) Final Hydrostatic Pressure	<u>2144</u>	<u>2144</u>

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Lease and Well No. FLOYD # 1

County NESS State KANSAS Date JUNE 18, 1971

Formation Test No. 5 Total Depth 4336 Elev. 2314 K.B.

Interval Tested 4282 To 4336 Anchor Length 54'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.1 Viscosity 42 Water Loss 12. c.c. Bottom Hole Temp. 116 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 11359

Length of Drill Collar I. D. Length Flexweight 620 I. D. 2.76

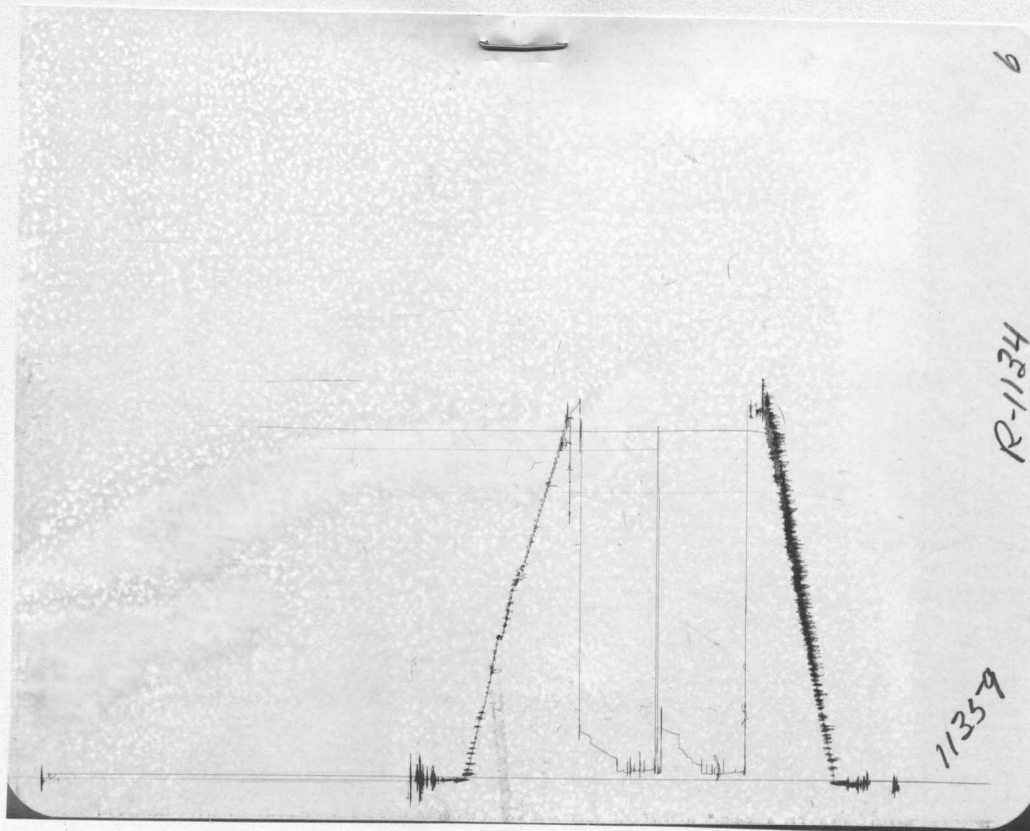
RECOVERY

WEAK BLOW FOR 20 MINUTES. FLUSHED TOOL ON SECOND OPENING
IN 3 MINUTES. WEAK BLOW FOR 7 MINUTES.

20 FEET OF MUD.

Lease and Well No. FLOYD # 1 14 18S 24W C NE NE

Formation Test No. 5



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2166</u>	<u>2171</u>
(B) Initial 1st Flow Pressure	<u>33</u>	<u>29</u>
(C) Final 1st Flow Pressure	<u>33</u>	<u>34</u>
(D) Initial Shut-in Pressure	<u>290</u>	<u>FALSE</u>
(E) Initial 2nd Flow Pressure	<u>33</u>	<u>34</u>
(F) Final 2nd Flow Pressure	<u>56</u>	<u>45</u>
(G) Final Shut-in Pressure	<u>268</u>	<u>FALSE</u>
(H) Final Hydrostatic Pressure	<u>2144</u>	<u>2167</u>

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